



COMING EVENTS

MAY

11 FRIDAY

Colloquium
Chemistry

"The Energetics of Enzyme Catalysis: Triphosphate Isomerase". Dr. J. R. Knowles, University of Oxford. 158 Lash Miller Chemical Laboratories. 4 p.m. (Chemistry)

12 SATURDAY

Conference
South Asia
Music

"Kinship and History in South Asia". Massey College Choir Room. 9 a.m. to 5 p.m. (Sanskrit and Indian Studies)
Opera Department production of *Prisoners Play*, MacMillan Theatre. 2 p.m. and 4 p.m. Other performances on May 14, 15, 16, 17, 18, 19 at 2 p.m.

15 TUESDAY

Colloquium
Chemistry

"Protolytic Reactions of Organic Bases in Concentrated Mineral Acids". Dr. C. J. O'Connor, Texas A & M University. 158, Lash Miller Chemical Laboratories, 4 p.m. (Chemistry)

Tribute

Memorial Tribute to Sir Ernest MacMillan, Convocation Hall. 3 p.m.

16 WEDNESDAY

Workshop
Oil/environment

One-day workshop on "Oil and the Canadian Environment". McLennan Physical Laboratories. 9 a.m. to 5 p.m. (Environmental Sciences and Engineering). See story on page 1.

Seminar
Education

"Is Achievement in Science a Prerequisite for Effective Teaching Performance?" A. I. Rothman and R. M. Preshaw. 3227 Medical Sciences Building. 4 p.m. (Physiology and Medical Education)

18 FRIDAY

Seminar
Medicine

"Effects of Drugs on Behaviorally-induced Changes in Cardiovascular Function in the Squirrel Monkey". Dr. R. T. Kelleher, Harvard Medical School. 3163 Medical Sciences Building. 2 p.m. (Pharmacology)

Colloquium
Chemistry

"Structure and Synthesis of Two Nucleic Acid Bases". Prof. K. Nakamura, Columbia University. 158 Lash Miller Chemical Laboratories, 4 p.m. (Chemistry)

22 TUESDAY

Music

Opera Department excerpts. Piano accompaniment. MacMillan Theatre, Edward Johnson Building. 8 p.m. Free. (Music)

23 WEDNESDAY

Music

Opera Department excerpts. Piano accompaniment. MacMillan Theatre, Edward Johnson Building. 8 p.m. Free. (Music)

24 THURSDAY

Lecture
Sculpture

"Sculpture at the Court of the Medici" by Charles Avery of the Victoria and Albert Museum. Planetarium Lecture Room. 8.30 p.m. Free.

25 FRIDAY

Art sale

"ROM Art 73" - outdoor sale and exhibition of student art. May 25-26; entertainment with the assistance of the Toronto Musicians' Association; Cheri, 12 noon to 2.15 p.m.; Paul Grosney, 3 to 5.15 p.m.; Ginni Grant, 6 to 8.15 p.m.
Faculty Club Buffet Supper. Reception 5.30-6 p.m. Buffet 6-8.30 p.m.

26 SATURDAY

Dinner dance

Toronto Neurological Society and Neuroscience Section, Academy of Medicine. Toronto Cricket, Skating and Curling Club, 141 Wilson Ave. Reception 6.30 p.m. Buffet dinner 8 p.m. Dancing 9.30-12.30. Tickets: members \$12.50; residents \$8; non-members \$15 (double for couples); cash bar and wine. For reservations phone Miss Wilson, 922-1134; all cheques payable to Toronto Neurological Society and sent to the Academy at 288 Bloor St. W. M5S 1V8.

Extension is seeking innovators for Continuing Education Program

The Division of University Extension invites proposals for courses to be included in the 1973-74 Continuing Education Program offered through the Division. Summarized below are a few relevant considerations which faculty responding will wish to take into account.

1. Courses offered in this program are non-degree from the University's point of view, but often may be endorsed and certified by professional or other groups.

2. Course structure and method are flexible and vary according to preference of individual teaching members and market factors. Usually classes meet once a week for 1½ or 2 hours over a 10 to 20 week period.

3. Teaching stipends are computed on the basis of class contact hours for evening courses, but may differ in the case of short, full-time courses.

4. In addition to offering more traditional courses, the Continuing Education Program provides opportunities for teaching staff to develop new courses on an experimental basis which may be related to their special interests, researches,

or perceptions of organizational/community needs.

5. A substantial number of adults continue to look to the University for traditional learning opportunities which will permit them to pursue studies related to their special interests or professional concerns. This year in the Continuing Education Program of the Division of University Extension alone there are over 10,000 registrants. Of this group, a substantial number possess a baccalaureate level of education or higher, and many of those with a degree are U of T alumni.

The Continuing Education Program can be a complement to the relevance and prestige of the University in the community. The success of the program depends upon the co-operation and active participation of members of the faculties and departments directly concerned, however, not only in planning and teaching but also in identifying particular courses which should be offered.

Respond in writing to: The Acting Director, Division of University Extension, U of T, 119 St. George St.

Prof W H Nelson heads U of T Faculty Association

Prof. W. Harold Nelson (History) has been elected chairman of the U of T Faculty Association effective July 1, it was announced at yesterday's meeting of the Association's Council.

Representatives elected to the Council are:

J. D. McClements (Physical and Health Education);

M. E. Cockshutt (Library Science);

S. P. Rosenbaum (University College);

David Shanno (Management Studies);

T. Hofmann (Biochemistry);

Mrs. G. T. Warkentin (Victoria College);

Keith Yates (Chemistry);

David Huntley (Slavic Languages and Literatures);

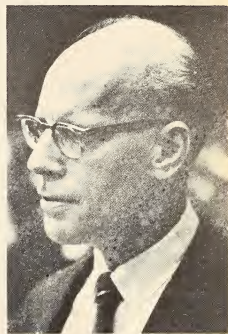
Re-elected were:

A. C. Coman (Education);

A. D. Latta (Trinity College);

S. A. Schiff (Law).

Other executive officers and chairmen of standing committees will be announced in a later issue of the Bulletin.



Professor Nelson

Oil and the environment: a review of the problems

A one-day workshop on "Oil and the Canadian Environment" offers an opportunity for all those interested to survey the many environmental problems created by man's use of petroleum. The workshop will review the research and other activities going on in Canada on the environmental problems of oil.

It takes place on May 16 from 9 a.m. to 5 p.m. in the McLennan Physical Laboratories and is sponsored by the Institute of Environmental Sciences and Engineering. Program includes the following:

General Session

9 a.m. Chairman's opening remarks, "The Structure of the Problem" - D. Mackay, U of T;

9.10 a.m. "Participation of Environment Canada in prevention, containment, and clean up of oil spills on the Pacific Coast" - C. T. Hatfield, Environmental Protection Service, Vancouver;

9.25 a.m. "Oil Pollution Research Group of the Inland Waters Directorate" - B. F. Scott, Inland Waters Directorate, Ottawa;

9.45 a.m. "PACE and its R & D Committee" - H. L. Buxton, Shell Canada Limited;

10.10 a.m. "Arctic Petroleum Operators Joint Research Program" - A. D. Brown, Arctic Petroleum Operators Association, Calgary;

10.25 a.m. "Oil pollution of the Marine Environment from ships: Towards International Control" - J. B. Yates, McCarthy & McCarthy; Department of Justice and Department of the Environment, Toronto;

10.40 a.m. "Whose oil and whose environment?" - K. E. Francis, U of T;

11.10 a.m. "Oil pollution in coastal and high seas areas of the N. Atlantic" - A. Walton, Bedford Institute of Oceanography, Dartmouth, N.S.;

11.25 a.m. "Oil spill contingency planning in the petroleum industry" - K. R. Evans, Oil Spill Contingency Planning, Gulf Oil Canada Ltd.;

11.40 a.m. "Research on land based oil spills in the Canadian North" - J. Biddick, Arctic Land Use Research, Department of Indian Affairs and Northern Development, Ottawa;

12.30 p.m. Lunch at New College; address on "The Arctic Imperative" by Richard Rohmer;

(Simultaneous sessions on physical and biological topics)

2 p.m. Chairman's opening remarks - W. Harrison, U of T;

2.05 p.m. "Ocean chemistry programs to study the distribution and fate of marine hydrocarbons in N.E. Pacific Oceans" - C. S. Wong, Marine Science Directorate, Pacific Region, Department of the Environment, Victoria;

2.20 p.m. "Oil in cold water research at Nova Scotia Technical College" - A. Y. McLean, Halifax;

2.35 p.m. "The physical-environmental effects of oil. A review of activities at the University of Toronto" - D. Mackay, U of T;

3.05 p.m. "Evaporation, oil herders and water-in-oil emulsion" - E. E. Nagy,

(See page 3, col. 2)

MAY 17 DEADLINE

University of Toronto Bulletin is published by the University News Bureau, 45 Willocks Street. Except for bona fide emergencies, all material for the next issue should have been in the hands of the editor, Mrs. Winifred Ferguson (928-2102) by noon yesterday. The next editorial deadline is noon, May 17.

Memorial tribute to Sir Ernest MacMillan

A memorial service for Sir Ernest MacMillan, who died last Sunday at the age of 79 after a lengthy illness, will be held on Tuesday, May 15, in Convocation Hall at 3 p.m.

He was principal of the Toronto Conservatory of Music (1926-42); Dean of the U of T Faculty of Music (1927-52), and received an L.L.D. from Toronto in 1953.

Sir Ernest conducted the Toronto Symphony Orchestra (1931-1956); the Toronto Mendelssohn Choir (1942-57); was past president, Canadian College of Organists; chairman, Canadian Music Council; president, Composers, Authors and Publishers Association of Canada; and held other high offices. He was knighted in 1935.

STAFF NOTES

Arts and Science

PROF. R. F. GARRISON gave a colloquium on "Spiral Structure of the Galaxy: Circular or Tilted Arms?" at the University of Wisconsin on April 6. Prof. Garrison is now in Chile where he will be observing at the U. of Las Campanas Observatory and the American Cerro Tololo Observatory and giving a summer course in Astronomy as visiting professor at the University of Chile.

PROF. J. P. HEARD gave a talk on "Celestial Navigation Science and Hobby" at the Hamilton Centre of the Royal Astronomical Society of Canada on March 7, and on "Nicholas Copernicus" at a dinner meeting of the Fellows of the Royal Society of Canada at the University of Waterloo on April 6.

PROF. HELEN S. HOGG gave talks on "Variable Stars in Globular Clusters" at the Toronto Centre of the Royal Astronomical Society of Canada on March 16, and on "Astronomy as a Career" at a dinner meeting of the University Women's Club in Toronto on April 4.

PROF. D. A. MACRAE was in Washington March 29-April 1 for the meeting of the Board of Trustees of the Universities Space Research Association and the Annual meeting of the Council of Institutions of USA.

PROF. P. C. MARTIN gave a talk on "Recent Results in Interstellar Circular Polarization" at the University of Western Ontario on March 9.

PROF. S. VAN DEN BERG gave talks on "The Supernovae of the Second Millennium A.D." at St. Mary's University, Halifax on March 15 and at the University of Moncton on March 16. He also gave talks at the University of Virginia and the National Radio Astronomy Observatory on "Evolution of Galaxies" on April 12 and on "Supernovae Remnants" on April 13.

PROF. J. B. JONES presented a colloquium on "Some Synthetic Applications of Enzymes in Organic Chemistry," at the Eastman Kodak Research Laboratories, Rochester, on April 16.

PROF. C. C. GOTTLIEB participated as a lecturer in the Advanced Course on Software Engineering at the Technical University of Munich, which was held from Feb. 19 to March 2. Prof. Gottlieb accepted an invitation to become the General (International) Chairman of the Second Jerusalem Conference on Information Technology in Jerusalem in July 1974. He is also acting as adviser for the IFIP (International Federation for Information Processing) Congress 74, to be held in August in Stockholm.

PROF. T. E. HULL visited Harvard University during the period March 14-16, and gave a colloquium at the Center for Research in Computing Technology on "Comparing Numerical Methods for Ordinary Differential Equations." Prof. Hull is now the Computer Science Department at the University of Western Ontario on March 23 and lectured on "Proving Program Correctness."

PROF. PATE CRENSHAW delivered a paper entitled "Venetian Enforcement of the Index Librorum Prohibitorum with Reference to Scientific Books" and participated in an invited conference on "Science and Religion in the Sixteenth Century" in Washington, April 23-25. This was part of the observance of the 500th anniversary of the birth of Nicolaus Copernicus sponsored by the National Academy of Sciences, the Smithsonian Institution, UNESCO, and the Copernicus Society of America.

PROF. IVANA VERSHANI read an invited paper on "The New World's First Novelists: L'Argenteria da Silva e Orla," at the fourth Indiana Symposium on Luso-Brazilian Literature, held in Bloomington on April 12.

PROF. J. A. MOLINARO read a paper on "Science and Punishment in the *Grande Furioso*" in the Italian Renaissance section of the Northeast Modern Language Association meeting held in Boston on April 6.

PROF. AZIZ AHMAD attended a meeting of the American National Seminar on Pakistan/Bangladesh held at Columbia University, April 6-7.

PROF. R. LATT was named Chairman of the Scientific Program Committee for the International Conference on Weather Modification to be held in Tashkent, Oct. 1-7, 1973. This Conference is organized by the Hydrometeorological Service of the USSR and is jointly sponsored by the World Meteorological Organization and the International Association of Meteorology and Atmospheric Physics of U.S.G.C.

PROF. P. A. KOSOV was invited to give a lecture in the Department of Psychology at Princeton University, April 4, on "Form, Motion, Language," and in the Department of Psychology at the State University of New York at Stony Brook, April 6, on "Skill at Words and Messages."

PROFS. B. K. MATILAL and J. L. MASSON attended the annual meeting of the American Association for Asian Studies held in

Chicago, March 30. Prof. Masson read a paper entitled "Fratricide Among Monkeys: Psychoanalytic Observations on an Episode in the Valmiki Ramayana." Prof. Matilal read a paper on "Rama's Moral Decisions".

University College

PROF. C. P. JONES gave a lecture entitled "Religion in Plato's Lives" at the University of Pennsylvania on April 17.

PROF. V. E. GRAHAM attended the first French Renaissance Conference of the Modern Language Association which was held at the University of Cincinnati on April 6 and 7. He organized and moderated a symposium on relations between literature and the fine arts.

Victoria College

PROF. ALAN T. DAVIES attended a seminar at Princeton Theological Seminary, N.J., Feb. 19-22, on the academic study of Judaism and the Jews in North American universities.

PROF. H. HUTCHINGS gave a paper on March 23 entitled "The Canadian Social Gospel in the Context of Christian Social Ethics," at the Conference in Regina on the Social Gospel in Canada: Religion and Social Reform, March 23-24.

PROF. K. J. JOHNS attended the spring meeting of the American Association of Religion, held in Syracuse, N.Y., March 23-24.

PROFS. H. R. SCOR and F. D. HOENIGER spent two days at the University of Sherbrooke on Oct. 16-17 at the invitation of its Vice-President Academic and Dean of Arts, in order to prepare an advisory report on the future of Sherbrooke's Centre d'Etudes sur la Renaissance. Prof. Hoenger also gave a seminar on Feb. 15 at Acadia University on "Time and Temporality in *As You Like It* and *The Winter's Tale*." He has been invited by the Kenneth Spencer Research Library of the University of Kansas at Lawrence to give a lecture on "King Lear: The Poet Diving into the Primitive" on April 13.

At the colloquium on the French novel in the nineteenth century held on March 24 under the auspices of the Graduate Department of French Prose, Person and LE HUENEN gave a paper entitled: "Le signifiant du personnage dans Eugénie Grandet".

PROF. JANE MILEGATE visited universities in Texas and Mississippi in March, during her tenure of the H. Martin Travelling Fellowship.

PROF. JOHN BAIRD delivered the James Harvey Tutin Lecture for 1973 on the subject "William McGonagall: Poet and Tragedian" at Victoria College, on April 2.

On March 21 DR. JAY MACPHERSON participated in the panel discussion on "Myth and Poetry" which opened the Irish Studies Conference held at McGill University. DR. ANNS SADDLEMYER, a member of the Conference committee, moderated the panel.

PROF. DAVID W. SHAW has been awarded a Senior Research Scholarship in the sum of \$11,100 in support of his project entitled "Completion of a scholarly study of Tennyson and research for a work on Victorian theory and poetry".

On April 9 at Princeton University Prof. PETER HUGHES gave the Eberhard Faber Memorial Lecture under the title "Vico's History of our Humanity: Language and Literature in the Early Eighteenth Century." On April 10 a graduate-faculty seminar on literary history.

Trinity College

PROFESSOR GEORGE JONATHAN has given a number of addresses since January: "A Layman's View of the Second Vatican Council in Regard to the Dilemma of Modern Theological Society" at a seminar of the St. Allan's and St. Sergius Society; "The Imperative of Stopping the Arms Race" at the Trinity College Colloquium in January; "Secrecy, Democracy and Foreign Policy" at the Department of International Studies, New York University; "Disarmament: To the Arts and Letters Club in Toronto; "Changing Social and Political Science" at the School of Hygiene and Society-Emerging International and Canadian Trends", April 13. Two honorary degrees will be conferred on the Provost in May: a Doctor of Laws from the University of Saskatchewan on May 18 and a Doctor of Civil Law from Bishop's University in Lennoxville on May 26.

PROF. DOUGLAS JOYCE has a Canada Council leave grant which will further his study of the comedies of Hugo von Hofmannsthal and the edition of a collection of Austrian theatre reviews. He will spend

part of his 73-74 sabbatical in Frankfurt and Vienna.

PROF. ALAN LATTI read a paper on "Lessing and the Drug Scene: Notes on the 'Bunte Blume' in Nathaniel Hawthorne's *Dr. Weiser*" at the Modern Language Association Annual Meeting in December in New York. He will spend part of the summer in Hamburg, Germany.

PROF. J. H. LEVINE has received a Canada Council Leave Fellowship for 1973-74. She plans to complete a book on four Shakespearean plays during her sabbatical. Prof. William Oxtoby lectured on "Religious Involvement and the Study of Religion: Some Current Options" at York University on Jan. 16. Since September, 1972, he has attended a number of conferences in England, the Middle East, antiquities and world religions.

REV. CYRIL POWLES is co-author of *Mission Impossible, Unless...* (Friendship Press, New York, 1973) and is currently working on a history of social movements in modern Japan. He presented a paper on "Japanese Pacifism before World War II" to the American Historical Association on Dec. 28.

PROF. W. S. ROGERS is Chairman of the Editorial Committee of the Romance Series for the University of Toronto Press. Preparing for publication of a new edition of the collected works of Molière, he plans to complete manuscripts for three comedies by early 1974.

PROF. WILLIAM RUBINOFF is preparing a *Dictionary of Psychological Difficulties*.

PROF. MILTON WILSON is writing a book on Byron's *Child Harold's Pilgrimage* and its context in English Romantic Poetry.

PROF. S. P. ZITSEN is preparing editions of *The Karmay of The Burning Fettle* and of *Elyot's Castle of Health*. Next year he will be Secretary of the Graduate Centre for Renaissance Studies.

St. Michael's College

PROF. ECKHARD CATHOY gave a lecture at the University of Alberta, on March 21 on "Goethe's Mimic Language" and also a seminar on March 22 on "Aristotle's Thought and Its Implications: A Contribution to the History of German Comedy".

PROF. PETER B. BALANIK will be Visiting Professor in Ukrainian Theology at the Ukrainian Free University in Munich, Germany, for the summer session. He will lecture on "An Introduction to the History of Theological Thought in Kievan Rus'-Ukraine in the Pre-Mongolian Period".

Erindale College

DR. J. TUZO WILSON, KEVEN BURKE and WILLIAM KIDD presented papers to the 54th annual meeting of the American Geophysical Union, meeting in Washington, the week of April 16.

Massey College

The Master, PROF. ROBERTSON DAVIES, was at Dalhousie University on March 6 and 7, where he gave a seminar and talked about Canadian Literature.

Medicine

DR. DAVID P. VARANI attended a meeting in Montreal, March 31-April 1, at which he was elected Secretary of the Canadian Dermatology Research Society. This national body was formed at the above meeting with the support of the Medical Research Council of Canada. Its purpose is to advance dermatologic research in Canada and to publish a quarterly newsletter on dermatologic research activity in this country. Dr. Varani will also be an editor of the newsletter.

Applied Science and Engineering

PROF. S. SANDLER acted as Chairman of a session at the Eighth International Symposium on Advances in Chromatography, in Toronto, April 16-19, and was co-author of a paper presented by A. A. Ladon on "Gas Chromatography: Detection and Molecular Structure. An Extension of the James-Martin Rule".

PROF. J. S. HEWITT attended the International Symposium on Chromatography and Applications, March 26-30, and presented an invited paper entitled "Self-Powered Bremsstrahlung Monitors." He was co-author of two other papers, presented at the same symposium, by J. S. Hewitt and C. R. Blumauer and "Photomicro Angular Distributions from Carbon-12" by J. W. Jury, J. S. Hewitt and K. B. McNeil.

PROF. W. M. WONIATSKA lectured on April 12 at the Centre de Recherches Mathématiques of the Université de Montréal, on "Geometric Concepts in Linear Multivariable Control Systems".

PROF. A. N. VENETANOPOULOS recently attended a seminar sponsored by the Institute of Electrical and Electronics Engineers in cooperation with the Nova Scotia Tech-

nical College on Digital Filtering. The seminar was held on March 21 at the Nova Scotia Technical College and Prof. Venetanoopoulos presented a one-hour seminar on "Digital Dimensional Digital Filtering Applied to Picture Processing".

DR. F. P. J. RIDGOUT was elected for a 3-year term of the Gesellschaft für Angewandte Mathematik und Mechanik at its Annual Meeting in Munich, on April 5.

PROF. B. TABAROKH visited the Civil Engineering Department of the University of Waterloo on April 18 and delivered a seminar entitled, "The Dynamics of an Extendable Beam".

Forestry

DEAN V. J. NORDIN and PROF. A. S. MICHIE attended the annual meeting of the Woodlands Section, Canadian Pulp and Paper Association, held in Montreal, March 18-22.

F. J. KEENAN attended the annual meeting of the National Research Program Committee on Structural Utilization, Department of the Environment, in Ottawa on April 17 and 18.

Music

DEAN JOHN BECKWITH gave a talk at McMaster University on March 30 entitled "Directions in Current Canadian Music." His incidental music for a reading of Muriel Nazzari's play, *The Specials* of Susan's Mood, was broadcast on CBC Radio on March 13 and 17. His new composition for narrator and orchestra, for the children, called "All the Boes and all the Kewys," on a story by James Reaney, was introduced at a Toronto Symphony Children's concert on April 7, conducted by Victor Feldbril with Max Ferguson as narrator. The work was performed by the Toronto Symphony Junior Women's Committee.

PROF. M. R. MANIATES, in the capacity of Canada's official representative, attended the annual meeting of the Board of Governors of the International Musicological Society which was held in Utrecht, Holland, March 17-18. On April 9, Prof. Maniates delivered a paper on "Mannerism, Mannerism and the Avant-Garde in Music: 1530-1630," at the Department of Music of McGill University. She also presented a paper on April 10, "Mannerism and Precocity in French Music," at the same meeting. The special lecture series given in conjunction with the exhibition of *Fountainbleau* at the National Art Gallery in Ottawa.

Dentistry

DR. F. POPOVICH presented a paper entitled "The Burlington Study" to staff and students of the Faculty of Dentistry, University of Alberta on March 8 and 9.

DR. C. S. BACANT attended the business meeting of the 51st General Session of the I.A.D.R. in Washington. He will attend the Canadian Dental Association Council on Education Meeting in Toronto from April 30 to May 2. Dr. Bacant has presented and published with his wife and Drs. J. H. P. MAIN and D. C. SMITH entitled "Polycarbonate Cement as a Pulp Capping Agent" to the I.A.D.R. meeting.

MRS. M. FONSWEATH attended a "Programmed Learning Workshop" given by the International Medical, Graduate School of Business Administration, from Feb. 18 to 23.

DR. G. A. ZANA attended a symposium at Clemson University, S.C., on "Prostheses and Tissue: the Interface Problem" from April 14 to 16.

DR. A. B. HORD addressed the annual Capping Ceremony at George Brown College for Dental Assistants on "The Image of Dentistry" on March 4.

DR. J. H. P. MAIN presented an extramural lecture on "Ulceration of the Mouth" to the Bay of Quinte Dental Society on April 4.

DR. D. B. MCADAM presented an extramural lecture on "Cast Gold Restorations" to the Kingston and District Dental Society on April 4.

DR. R. T. LANG presented an extramural lecture on "The Use of Removable Orthodontic Appliances in General Practice" to the Sudbury and District Dental Society on May 8.

DR. D. C. SMITH attended the Fifth Annual Diatomatologists Symposium at Clemson University, S.C., from April 13 to 18. Dr. Smith presented a paper entitled "Status of the Stability and Activity of Zinc Polycarbonate (Polycarbonate) Cement" at the I.A.D.R. meeting. He presented a paper at the Ontario Society of Paedodontists in Toronto on April 25.

DR. L. D. ANDERSON presented papers at the Second International Symposium on Cancer Detection and Prevention in Bologna, Italy on April 9 and at the International Association of Dental Research in Washington on April 13.

Postgraduate courses in Orthodontics and Nitro-Oxide Sedation will be presented in the Faculty in May and June.



SENIOR MEMBERS of the Faculty of Forestry recently "retreated" to Geneva Park for three days to permit in-depth discussion of curricula, far from their office telephones. With them as guests went Prof. F. A. Strong, chairman of the Department of Landscape Architecture, four holders of cross-appointments and Dr. D. C. F. Fayle of the Ministry of Natural Resources (Lands and Forests). Prof. Morris Wayman of Chemical Engi-

neering, one of the guests, described the occasion as "a great learning experience" that will have "many spin-offs and benefits for the faculty in terms of mutual trust and respect, a genuine deep understanding of how each is a resource at the service of the others and of the whole curriculum". (Dr. Vidar Nordin, Dean of the Faculty of Forestry, who took this picture, is now visiting European faculties of forestry.)

SGS to study drop in awards

Summary of the Minutes, Council of the School of Graduate Studies, April 17, 1973 (Continued):

Foreign Students' Work Permits: Changes in the regulations were reported. These are outlined in a memorandum from Prof. J. K. Conway, Vice-President (Internal Affairs), which has been widely circulated.

Advisory Committee on Academic Planning:

A report on the work of this Committee was given.

1973-74 Calendar:

The proposals for the 1973-74 Calendar of the School have been approved by the Academic Affairs Committee.

Information with respect to Canada Council awards was requested. The Dean agreed to try to ascertain from the Canada Council whether the decline in the number of awards to students at this University was greater or less than elsewhere in Canada. A report will be made to the May Meeting of Council.

Reports of the Associate Deans

Division I: Associate Dean Parker reported that the Executive Committee was continuing discussion of the proposed establishment of the Centre for Religious Studies. He gave Notice of Motion that he planned to present a report to the May meeting of Council.

Division II: Associate Dean Zakuta reported, for information, that the Executive Committee of the Division heard an appeal by a student against a Department in the Division and recommended to the Department that it grant the student's appeal.

Proposed New Courses - Summer 1973

Council approved the Divisional recommendations that proposed new courses in French, German, Civil Engineering, and Mathematics be approved. It also approved a recommendation that a person who is not a member of the graduate faculty be permitted to teach Management Studies 1021X - Accounting I.

Proposed Division

Council approved the division of the Graduate Department of Italian and Hispanic Languages and Literatures into two separate departments.

Other Business

Dean Safarian reported on the following items which he believed should be studied during the summer and fall:

- 1) student support (a committee is looking at this now);
- 2) part-time studies;
- 3) interdisciplinary studies;
- 4) enrolment - particularly fluctuations (increases or decreases) in departmental enrolments.

LIBRARY NEWS

The U of T Library announces publication of number 16 in its "Reference Series" entitled *French Reference Aids in the University of Toronto Library*, compiled by Mrs. Margaret Allan.

Close to 150 annotated entries are arranged according to type of publication - library catalogues, bibliographies, encyclopedias, dictionaries, etc. An author and title index is provided.

The 40-page publication is free to members of the University. Copies may be ob-

tained by enquiring in person at the reference desk in the Sigmund Samuel Library, or by writing or telephoning (local 2279) the Reference Department.

Other numbers available are:

13. Fysh, Patricia. *Geography Reference Aids*. 1970 (33 p.)
14. Clark, Jane. *Reference Aids in Canadian History*. 1972. (75 p.)
15. Woodsworth, Anne. *Women: a guide to bibliographic sources*. 1972 (7 p.)

Oil and environment workshop will review many problems

(Continued from page 1)

Canada Centre for Inland Waters, Burlington;

3.20 p.m. "Oil and the St. Lawrence estuary" - Université du Québec programme -

3.30 p.m. "Effect of natural weathering on the shore-bound oil after the Chedabucto Bay spill" - O. J. Betancourt, Nova Scotia Technical College;

4 p.m. "Man-made erosion in the Swan Hills, Alberta" - J. G. Lenglé, U of T;

4.15 p.m. "Soil contaminated by oil - requirements for restoration and return to previous land use operation" - R. N. Yong, Macdonald College, McGill University;

4.25 p.m. "Environmental problems of oil spillage on land in Alberta" - J. M. Rainbeek, University of Calgary;

4.35 p.m. "Oil spill fate and the sitting of super tanker terminals" - W. Harrison, U of T;

2 p.m. Chairman's opening remarks

- T. C. Hutchinson, U of T;

2.05 p.m. "The effects of the 'Arrow' and 'Irving Whale' oil spills on ducks and seabirds" - R. G. B. Brown, Canada Wildlife Service, Bedford Institute, Dartmouth;

2.15 p.m. "Crude oil and young stages of the American lobsters" - P. G. Welk, University of Guelph;

2.30 p.m. "Ecological effects, fate, behaviour and distribution of Bunker C oil in sheltered intertidal sediments" - M. L. H. Thomas, University of New Brunswick;

2.45 p.m. "Effects of oil and its components on freshwater algae" - C. Soto, U of T;

3.15 p.m. "Effects of crude oil on Arctic marine invertebrates" - J. A. Percy, Arctic Biological Station Fisheries Research Board of Canada, St. Anne de Bellevue;

3.25 p.m. "Microbiological investigations of crude oil inundated Arctic soil" - R. Gosse, University of Calgary;

3.35 p.m. "Pipelines, oil spills, gas plant and the Alberta environment" - J. A. Toogood, Faculty of Agriculture and Forestry, University of Alberta;

3.45 p.m. "Some effects of a deliberate small scale oil spill on the overlying vegetation and the thaw depth near Inuvik, N.W.T." - M. Dickman, University of Ottawa;

4.15 p.m. "Effects of crude oil spills on aquatic vegetation in the Mackenzie Valley near Norman Wells, N.W.T." - J. A. Helebut, U of T;

4.30 p.m. "Preliminary studies on the effects of a simulated oil spill on Arctic terrestrial vegetation" - T. C. Hutchinson, U of T;

4.45 p.m. "Surveys for hydrocarbon utilizing bacteria in Northwestern Atlantic coastal areas" - G. J. Mulken Phillips, Halifax Laboratory, Fisheries Research Board of Canada, Department of the Environment;

4.45 p.m. "Oil pollution research program" - N. J. Proulx, Marine Ecology Laboratory, Bedford Institute of Oceanography.

For further information, please get in touch with one of the co-chairmen, Prof. W. Harrison, 828-5309; or Prof. D. Mackay, 828-3060.

Ethnic press films available

The Ontario Council of University Libraries has announced the release of the Ethnic Newspaper Microfilming Project. A group of seventy newspapers, many of them inaccessible for research purposes prior to the undertaking of the project, are now available on 35mm roll film, providing valuable source material for historians, sociologists, political scientists, and others concerned with the study of Canadian ethnic and language groups. Among the groups represented in the collection are Belorussian, Black, Danish, Finnish, Franco-Ontarian, German, Greek, Hungarian, Indian and Métis, Korean, Latvian, Maltese, Polish, Russian, Scottish, Serbian and Ukrainian.

Newspaper files, many of them unique, were borrowed from a variety of sources, including ethnic organizations, regional archives, historical societies, public and university libraries, and private collections. Some newspapers were filmed in Europe.

Ontario Ethnic and Language Group Newspapers, an annotated checklist of almost 500 newspapers identified in the course of the project, is being prepared by Duncan McLaren, Microfilm Project Manager, and will be published by the University of Toronto Press. Library holdings of both original issues and microfilm are shown for the National Library, the Ontario Archives, provincially-supported Ontario university libraries, public libraries in Ontario, and some institutional libraries.

A list of newspapers microfilmed in the Ontario Council of University Libraries project, with prices, is available from the Council of Ontario Universities.

Dr John Hunt wins prestigious award

Dr. John Hunt, professor of medical biophysics at the Princess Margaret Hospital has been awarded the Arturo Molati Prize at an international gathering of chemists, the Miller Conference, which met recently in Penrhynedraeth, North Wales.

At its last meeting two years ago, the Miller Conference agreed to award the next Arturo Molati Prize for research in the field of radiation chemistry and free radicals. Dr. Hunt has devoted more than eight years of research in this field. The conference, in deciding that Dr. Hunt was to have the award, recognized he had made great contributions to it.

Specifically, Dr. Hunt used bursts of intense Cerenkov light, produced when a pulsed beam of radiation passes through air, to monitor the reactions that take place some million-millionths of a second later inside a vessel containing a chemical solution under study.

The light is modified by passage through the solution in a manner that determines what free radicals are present at the time. By making the light take a delay before it enters the vessel, he can delay the arrival of each pulse and so arrange for it to monitor swiftly the situation in the solution after any chosen time lapse.

Accommodation

Faculty of Dentistry is seeking accommodation for a visiting professor from July 1 to Jan. 31, 1974; a furnished 3 bedroom house is required for the professor, his wife and three daughters (ages 8, 12 and 15); near public transportation and schools; rent \$300 to \$325 per month. Please call D. H. Evans, 928-2805.

In Cambridge, England, 6 room house for rent, Sept. 10, 1973 to Aug. 1, 1974; 3 bedrooms, study, sitting room, dining room, central heating, convenient to buses and schools. £70 a month. Call 425-6418.

Fully furnished 4-bedroom house for rent from June 1 to Aug. 31, 1973, east of Avenue Road and north of Eglinton, two bathrooms (both toilet), large living room, dining room, study, breakfast room with kitchen counter, basement, washer, dryer, dishwasher; dogs and children accepted. \$300 monthly, 459-3315.

Ph.D. Orals

All members of the Graduate Faculty have the right to attend Ph.D. Oral Examinations.

Friday, May 11

Mrs. Monique Nenni, Department of French, "Vers une définition de l'incise". Thesis supervisor: Prof. P. R. Leon. Round Room, Massey College. 10 a.m.

Richard Christopher Beckwith Earle, Department of Sociology, "The Professional Mental Patient". Thesis supervisor: Prof. N. W. Bell. Room 108, 16 Hart House Circle. 10 a.m.

Tuesday, May 22

Frederick D. Sweet, Department of Classics, "Disunities and Religious Ideas in Propertius and Tibullus". Thesis supervisor: Prof. A. Dalzell. Room 107, 16 Hart House Circle. 2 p.m.

STAFF NOTES

Dentistry

DR. G. S. BEAGHE attended the CDA Council on Education Meeting on April 30. Dr. G. A. ZARB attended the CDA Council on Education meeting from April 30 to May 2 in his capacity as a delegate from the Association of Canadian Faculties of Dentistry Committee on Education.

DR. D. W. LEWIS spoke to the third year medical students at Queen's University on April 17 and 24.

DR. L. E. SPECK attended the meeting of the CDA Council on Education.

DR. R. L. MORAN has been elected President of the Ontario Dental Association.

DR. F. PULVER will speak to the Ontario Pediatric Section of the Ontario Medical Association at the annual meeting on May 18. His subject will be "Children's Dental Problems of Interest to the Paediatrician".

DR. J. A. HARGREAVE has been invited to be guest speaker at the In-Service Training Meeting for dental offices and dental hygienists for the Toronto Division of Dental Services which will be held in Toronto on May 31.

DRS. G. A. ZARB, A. FENTON, H. F. MACKAY, R. J. BORIUS and R. M. WATSON will appear in a television presentation "The March 21st of a Partially Edentulous Patient by Means of Removable Partial Dentures" which will be given at the ODA Convention on May 16.

DR. F. PULVER will be Program Chairman at A. Easlick Graduate Society meeting at the University of Michigan, Ann Arbor, from May 21 to 23.

Architecture

DR. J. J. DAKIN visited the Department of Psychology in the University of Windsor on April 6, where he conducted two seminars on the relationship between telecommunications and the urban and regional planning.

R. W. MCCABE presented a paper to the Northeastern Planning Conference in North Bay on "Some Notes on Retailing and Planning", on March 29 a paper to the Southwestern Ontario Chapter of the Town Planning Institute of Canada in Kitchener on "Recent Applications of Retail Gravity Models in Ontario Municipalities", and on March 21 a paper to the Ontario Advisory Task Force on Housing Policy entitled "Housing Policy, Housing Needs and the New Towns Program".

DR. HANS BLUMENFELD presented a paper on "Continuity and Change in Urban Form" to a conference on "The City in History: Idea and Reality" at the Center for Coordination of Ancient & Modern Studies of the University of Michigan, Ann Arbor, and participated in the discussions of the conference on March 15 and 16.

Physical & Health Education

PROF. MAUREN O'BRYAN was a guest of the Comenius University, Bratislava, Czechoslovakia, during the recent World Figure Skating Championships. While at the university she discussed comparative physical education and sport in Canada and Czechoslovakia and arranged the exchange of scholarly literature in the field between the two universities. She was also an invited guest at the International Seminar on Figure Skating, conducted by the University and the International Professional Skaters' Union.

Nursing

PROF. M. ALLEMAN presented a paper on "Development in Ideas About Nursing Education in the United States and Canada, 1853-1950: Context of the Problem" at a research colloquium at McGill University, March 28-30.

PROF. R. CUNNINGHAM presented a paper

on "An Exploratory Study of Home Visits by Public Health Nurses to Patients with Cardiac Disorders" at this colloquium.

PROF. P. E. JONES presented a paper on "The Health Needs of Ambulatory Chronically III Patients" at the same colloquium.

Pharmacy

PROF. M. B. MAYERSON was a Medical Research Council Visiting Professor at Dalhousie University, College of Pharmacy, March 19 to 22.

Hygiene

PROF. A. M. FALLIS presented a seminar entitled "Reflections on Some Haematoma and their Simulacra" on March 20 at the University of Guelph.

DR. W. HADJING LE RUCHE served as Visiting Professor of Epidemiology at Wayne State University Medical School, Detroit, during March.

On Feb. 28, DR. MICHAEL M. LENZNER was guest speaker at the Clinical Day of the Ontario Chapter of the Society of Family Physicians of Canada and York Finch General Hospital and gave an address on "Intestinal Helminths". Dr. Lenzner addressed the Clinical Society of the Trillium Hospital, Oakville, on March 6, on "Amoebic Abscess of Liver".

DR. A. P. RUDERMAN was the keynote speaker at the Institute on Hospital Utilization of the Ontario Hospital Association on the subject "The Political Economy of Ontario Hospitals".

DR. R. J. SHEPHERD presented a paper entitled "Adaptation to Circum-polar Life in the Canadian Eskimo" at the annual meeting of the Clinical Research Society of Toronto (March 31); his co-authors were G. COBIN and A. ROBE.

DR. SUSAN MCIVER spent Jan. 2-March 17 in several countries, including Canada, on an Inter-American Fellowship in Tropical Medicine. While in Guatemala, Dr. McIVER presented a paper, "Sensory Basis of Host Finding Behavior in Mosquitoes", to the 1973 meeting of the Veterinary Medicine, University of San Carlos.

DR. R. J. SHEPHERD attended the annual meeting of the Federation of American Societies for Experimental Biology (Atlantic City, N.J., April 15-20) presenting the paper "Fitness and Growth of the Eskimo Child".

D. PATTERSON attended the same meeting, presenting a paper entitled "Comparison of Methods for Calculation of Cardiac Output by the Indirect (CO₂) Fick Technique".

G. WRIGHT was an invited participant in a Federal conference "Smoking and Health" (Ottawa, April 18-19).

Management Studies

DEAN JOHN CRISO addressed the Canadian Chapter, EFSS Society, at the annual dinner, on "Management Education: Challenges and Responses", on March 7. On March 15, he addressed the Toronto Chapter, Certified General Accountants and Certified Industrial Accountants, at the annual dinner meeting, Toronto, on "Management in a Changing World". On March 22, he addressed the annual conference, Personnel Association of Greater Winnipeg, on "Labour Demands in the 70's". On March 25 and 26, Dr. Criso attended the National Conference on "The Changing Work Ethic" sponsored by Urban Research Corporation, AT & T, and General Electric Company and United Auto Workers, New York City. On March 28, he attended the Industrial Relations Conference, McGill University. On March 29, he attended the University's Business Forum on Relevant Education Conference - gave an address on "Relevance in Management Education". On April 3, he addressed "Operation Alert" (C.C.E. con-

ference) on "The Public Interests in Collective Bargaining" on April 4, he addressed the I.R.R.A. Executive Meeting, McMaster University, on "Multi-Nationalism, Inter-National Unionism - The Canadian Case".

PROF. MYRON J. GORDON will be visiting professor, at the School of Business, The Hebrew University in Jerusalem during the spring trimester, 1973.

PROF. ROBERT J. MORRISON gave a presentation on "Motivation and Leadership" to the following audiences: Ontario Society of Training Directors, Feb. 19; Graduate Students, McMaster University, March 26; Ontario Regional Management Conference, Toronto, March 14. He presented results of research findings concerning effects of leadership on motivation to the following audiences: Simon Fraser University Faculty and Graduate Students on March 27. Prof. House presented the "Quest for Relevance in Management Education: Some Second Thoughts and Undesired Consequences" to the Faculty and Graduate Students Seminar, University of British Columbia, on March 23; on March 30, he participated in business forum on discussion of "The Issue of Relevance and Management Education".

PROF. HERBERT MORNING addressed the Department of Economics, University of Western Ontario, on "The Resource Costs of Inefficient Fishery Research" on March 6. On March 30, he addressed the Department of Economics, Queen's University, on "The Welfare Costs of Non-Capital Pricing and Investment Policies in Highway Transportation".

PROF. ROBERT F. MORRISON announced the receipt of \$45,000 to fund research in managerial career development and change. He co-edited with Prof. D. T. HALL, York University, a meeting of North American Industrial and Organization psychologists, Jan. 18-19.

PROF. D. A. ONDRACK gave a paper on "Emerging Occupational Values" at a Bell Canada Seminar on "Turnover among White-Collar Employees" in Toronto on March 28. On March 31, he chaired a panel session on "Foreign-born in the 70's: The Host Country Experience" at the Annual Forum for Research in Administration at York University.

PROF. JOSEPH ROVEN participated as a panelist in a discussion of the effectiveness of information systems that was held during the Research Forum Program of York University on March 30. On April 1, he participated in a two day seminar on "Forecasting in Accounting" held at Northwestern University.

PROF. J. A. SAWYER (with J. L. CARR and C. J. VANDERKAM) presented a paper on "The Reaction of the Canadian Economy to Changes in Fiscal and Monetary Policy under Flexible and Fixed Exchange Rates" to the Pacific Region meeting of Project LINK in Vancouver, April 12-13.

PROF. R. WOLFF chaired a meeting of University Transportation Center Directors held in conjunction with the Canadian Transportation Research Forum meeting in Calgary on April 2.

Bio-Medical Electronics

PROF. P. Y. WANG delivered a paper (co-author, DR. E. LEWELLEN-THOMAS) at the ACS Meeting in Dallas, Texas, April 9-13. His topic was entitled "Organic Coatings and Plastics".

PROF. H. KUNOV participated in the New England Bioengineering Conference at Burlington, Vt. April 19-20 and gave an address on "Biomedical Engineering Education".

History and Philosophy of Science and Technology

At the Sixteenth Annual Meeting of the Midwest Joint papers presented by Dr. John W. Abrams and Professor James

MacLachlan. Dr. Abrams' paper was entitled "Origin of Operational Research" and Prof. MacLachlan's was on "Meresene's Intuitive Calculus of Finite Differences".

Aerospace Studies

DR. H. S. RIBNER presented a paper (co-authors, DR. P. J. MORRIS and W. H. CHU) on "Laboratory Simulation of Development of Superbooms by Atmospheric Turbulence, and Other Projects" at a meeting of the Committee on Hearing, Bioacoustics and Biomechanics of the U.S. National Academy of Sciences, Washington, on April 10-13. He attended the 88th meeting of the Acoustical Society of America, Boston, and participated in meetings of the Committees on Membership and Noise.

Russian and East European Studies

PROF. GORDON SKELLING, on leave during the second term, in Cambridge, Mass., is an Associate of the Russian Research Center, Harvard University, and a guest of the MIT Center for International Studies. He gave two seminars on "Interest Groups in Soviet Politics - A Retrospective View" on April 12 at the R.R.C. at Harvard, and on April 17 at the Council on Russian and East European Studies, Yale University.

The Press

Books recently published by University of Toronto Press include:

ARTHUR S. MORTON (edited by L. C. THOMAS): *A History of the Canadian West to 1870-71*, 12th edition, \$25.00, approx. 1088 pp., illus., 12 maps.

KENNETH C. COLE: *Bibliography and Research Manual of the History of Mathematics*, \$20.00, 828 pp.

Transactions of the American Philosophical Society, 1972, \$35.00, 664 pp.

ELIZABETH ARTHUR: *Thunder Bay District, 1821-1892: a collection of documents*, \$10.00, 442 pp., 10 pp. illus.

ROLF SÄTTLER: *Organogenesis of Flowers: a photographic text-atlas*, \$27.50, 240 pp., illus.

MARIO J. & MARIA ELENA DE VALDES: *An Unnamo Source Book: a catalogue of readings and acquisitions with an introductory essay on Unnamo's dialectical enquiry*, \$15.00, approx. 400 pp.

FRANK MACKINNON: *Postures and Politics: sociological analysis of Canadian bureaucracy*, \$12.50 cloth, \$3.75 paper, 248 pp.

D. G. JONES: *Butterfly on Rock: a study of themes and images in Canadian literature* (new in paperback), CUP 128, \$3.50, 208 pp.

HAROLD BOHNE & HARRY VAN JESSEL: *Publishing: The Creative Business*, \$3.50, approx. 60 pp.

MICHAEL J. CONNOLLY & ALEXANDER K. SWOODA: *International Trade and Money*, \$12.50, approx. 242 pp.

Prof Greta Kraus wins

OCUFA teaching award

Prof. Greta Kraus of the Faculty of Music was one of 15 teachers of 40 nominated to win an award from the Ontario Confederation of University Faculty Association. Prof. Kraus has been on the faculty for 10 years and the award has come in her final year before retirement. She was previously a professional pianist and harpsichordist. Her nomination was accompanied by numerous testimonials to her outstanding teaching ability from past and present students.

EXHIBITIONS

One-man exhibition of recent paintings by Prof. D. Rifat, Exhibition of Fine Art, U. of T. Massey College, 4 Devonshire Place, Until May 31.

"Margaret Atwood and Survival": concentrate on Miss Atwood's own works and the books recommended in *Survival* as basic study material. University Library. Until May 16.

"Children of the World": The first Canadian showing of photographs by artist Edward R. Miller. Lower rotunda, ROM. May 31-June 26.

A major exhibition of lithograph drawings, made between 1848 and 1862, after Kriehhoff paintings of Canadian scenery. Sigmund Samuel Canadiana Building. Tours every Wednesday at 12.15 p.m. to the end of May. May 15-August 15.

"Meteorological Optics": The exhibit will illustrate what is meant by meteorological optics and will include photographs from a collection belonging to Dr. Alastair B. Fraser, University of Washington. Lower rotunda, ROM. May 1-27.

Winning jewelry, designed and crafted

by Canadian artists. This display will include the latest forms and styles of diamond jewelry. Mineralogy Gallery, ROM. May 15-June 15.

A collection of bronze sculptures, recently acquired by ROM's Anthropology Department, by artist Robert Glen of Nairobi, Kenya. Third floor, north gallery, ROM. From May 29.

"It's About Time" - What is time? According to the notions of relativity, it is a four-dimensional continuum. Theaters of the Stars, McLaughlin Planetarium. April 13 to June 24.

"Ikat", an Indonesian term for the technique of selectively resist-dyeing yarns before weaving to produce patterned textiles. The exhibit, selected from ROM's textile collections, will illustrate a wide range of fabrics. Textile Gallery, ROM. April 7-July 2.

"Men's Fashion Plates". Given to the museum by Warren K. Cooke. Lower rotunda, ROM. April 26-June 10.

A postage stamp dictionary in which the stamps actually illustrate terms. Stamp Corner, ROM. April 16-May 31.

Seventh June Institute presents
16 lectures on astrophysics

The seventh June Institute under the sponsorship of the Graduate Department of Astronomy and David Dunlap Observatory will be held from Tuesday, June 12, to Friday, June 15, inc. on the St. George Campus.

Four invited speakers will each present four lectures on topics related to recent developments in astrophysics. They are:

Bar J. Bok, Steward Observatory, Tucson: "The Scale of the Galaxy"; "Galactic Spiral Structure"; and "Dark Nebulae and Star Birth";

Dimitri Mihalas, High Altitude Observatory, Boulder: "Spectra of Early Type Stars" and "Abundances of Light Ions";

Gerrit L. Verschuur, National Radio Astronomy Observatory, Charlottesville: "An Overall View of Galactic Structure"; "High Velocity Clouds"; and "Interstellar Magnetic Fields";

Olin C. Wilson, Hale Observatories, Pasadena: "Stellar Chromospheres and Their Use".

All prospective participants are invited to write to Prof. René Racine, David Dunlap Observatory, Richmond Hill, L4C 4Y6.